#### **OPSS**

# Tom Penland Manager, Special Programs Branch AFS-260



Air Transportation Division, AFS-200/300

## **OPSS**

#### **Operations Specification Subsystem**



## **OPSS**

→ Overview

→ Architecture & Processing Environment

◆ Operations

**◆ Deployment** 



The Old OPSS
vs.
The New OPSS



## The Old OPSS

#### **DOS-Based System**

Paradox® Database Engine

Local Area Network



The Future is Now!



#### The New OPSS

Windows-Based Client

Microsoft NT/SQL Server Database

LAIN/WAIN Plutform

Word for Windows 7.0



#### **Features and Functions**

- MAINTAIN
- GENERATE
- REPORTS



#### **New Features for a New Generation**

- **♦** Information
  - Paragraph and OpSpecs Tracking
  - ☐ Industry and Military Input CRAF
  - ☐ Industry Can Also Create OpSpecs
  - **Development of Non-Standard Paragraphs**
  - **□** Faster Approval Process



#### **New Features for a New Generation**

- Automation
  - **■** Windows and cc: Mail Integration
  - □ Data Synchronization via WAN & RAS
  - **□** All Updates are Electronic
  - Available to FSDOs, Regional Offices, Industry, DOT, and the Military



#### **New Features for a New Generation**

- **♦ More Function** 
  - **Queries on the Fly**
  - **Electronic Signatures ECSS**
  - **□** All OpSpecs Available to View



## OPSS CHDO Help

- Points of Contact:
  - CC Mail:
    - 9 OPSSPROB
  - ☐ Technical Support:
    - (202) 267-7724 or (202) 267-9991
  - Website Address:
    - WWW.OPSPECS.COM

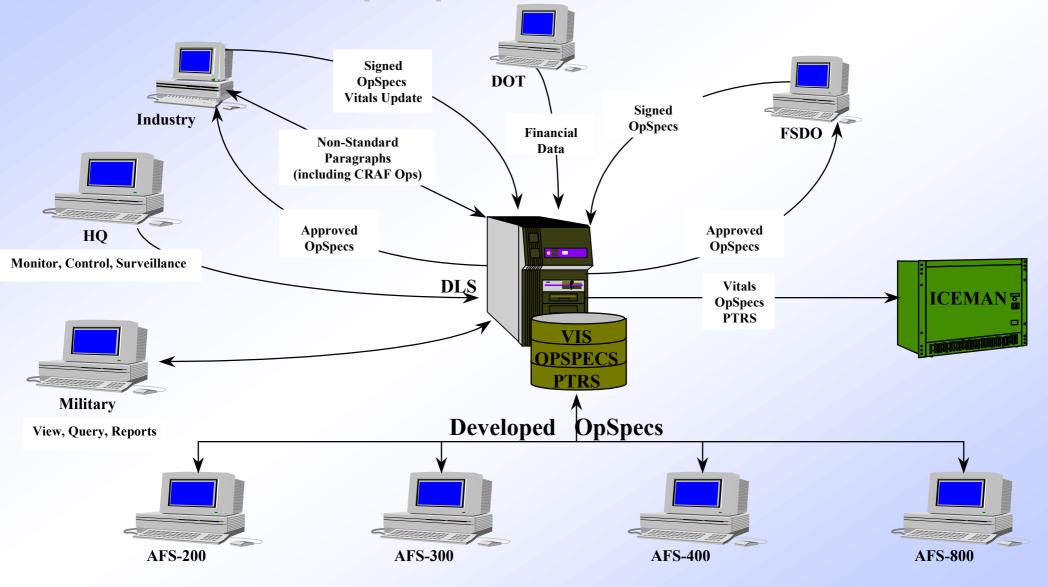


## Address http://www.opspecs.com

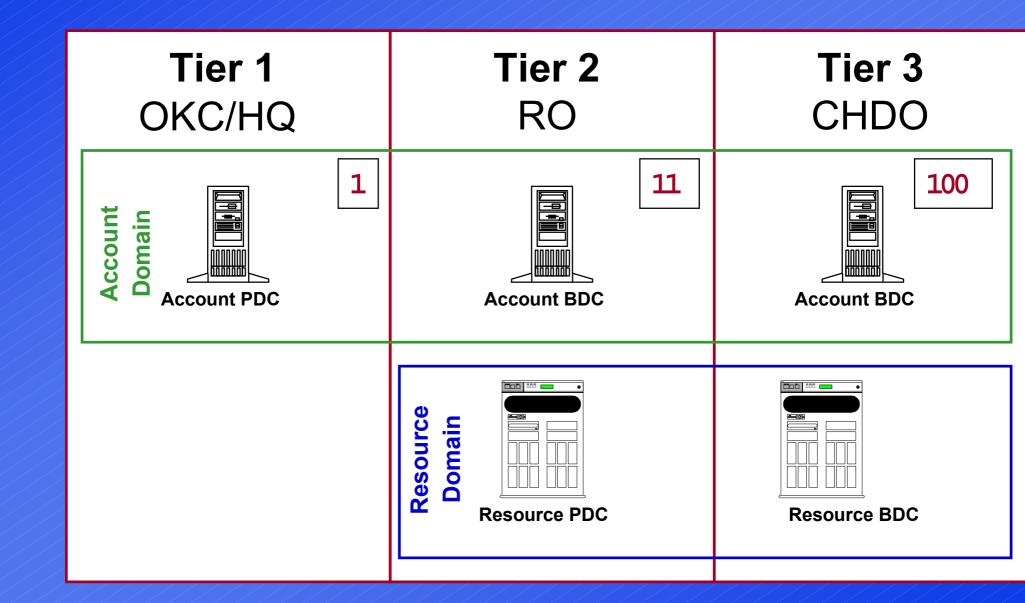
- Central repository for OpSpecs information. This site contains:
  - □ Support functionality—Notify us about a software bug or make a suggestion
  - □ OPSS documentation—Software manuals for download or in hypertext form for easy browsing
  - MMELs and MMEL Policy Letters
  - ☐ Flight Standardization Board Reports

OPSS - CHI

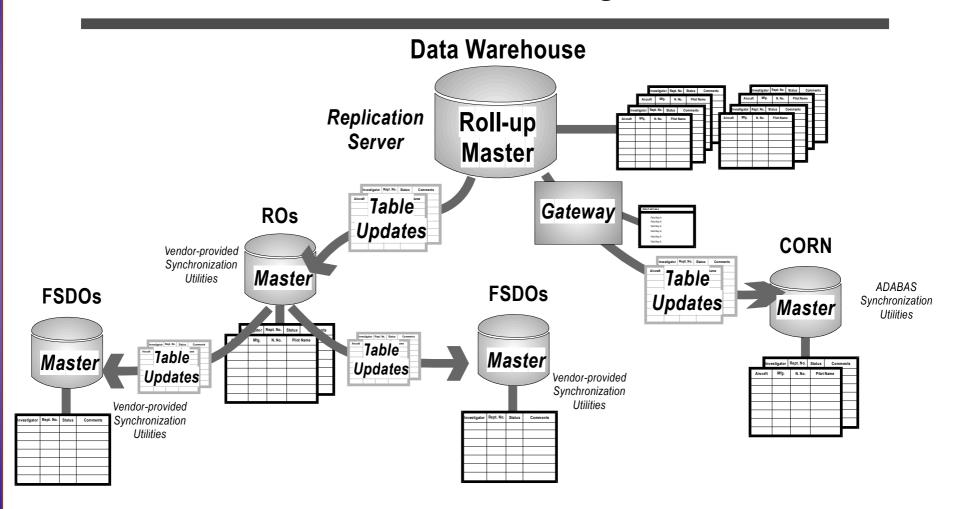
## **OpSpecs Process**



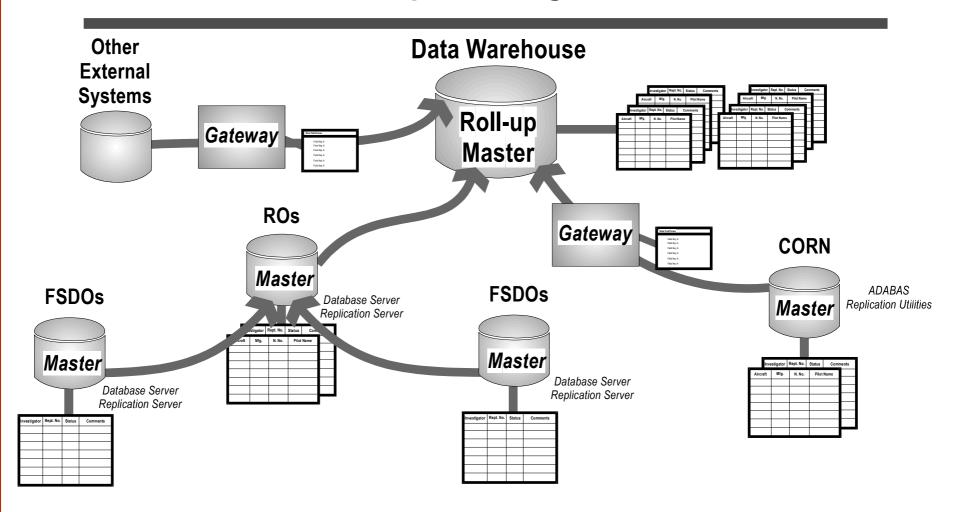
#### **AVR's 3-Tier Architecture**



## Data Quality—Ideal Enterprisewide Database Replication Model Redistribution Stage

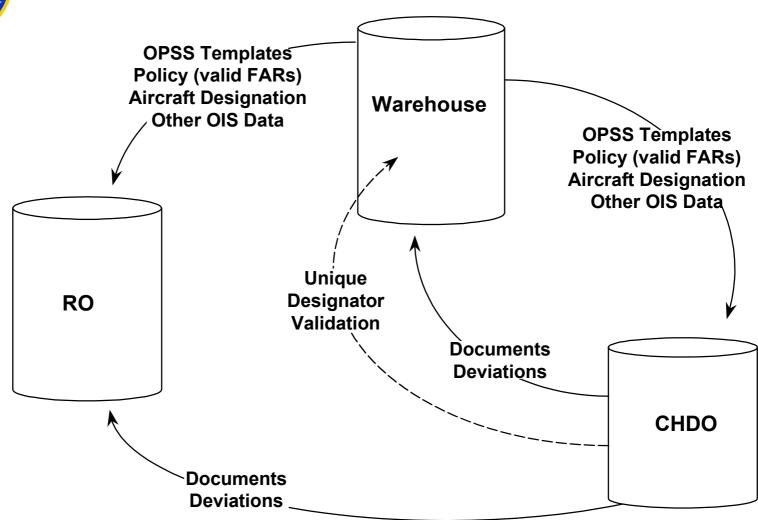


## Data Quality—Ideal Enterprisewide Database Replication Model Update Stage





#### **REPLICATION**



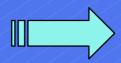
## Paragraph Development

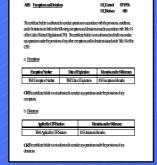
Gurrant Alis... 12/1/35 

#### **OPSS Workflow**

## CHDO Document Process











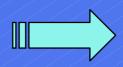


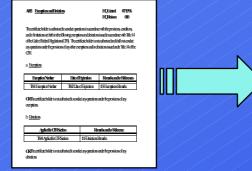


#### **OPSS Workflow**

## HQ Paragraph Process











Active Released



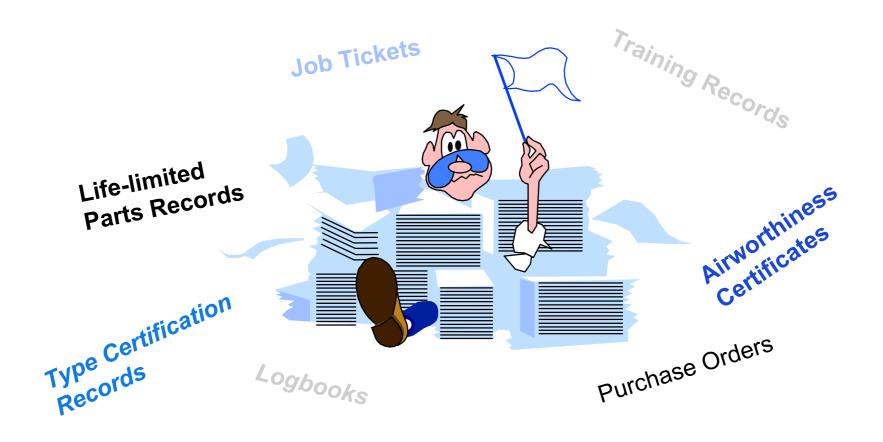
## **OPSPECS**

How can you get access to it today ARINC

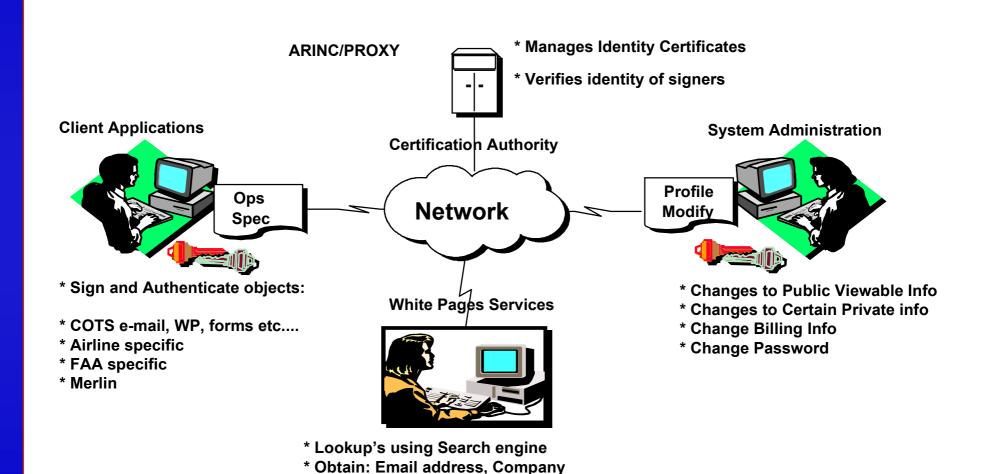
Electronic Signature



## AIRLINE INDUSTRY NEED FOR DIGITAL DOCUMENTS



#### How a Digital Signature Works



address, phone, picture info.

## WHAT ARE THE BENEFITS TO THE AIRLINE INDUSTRY?

- Authenticity and non-repudiation of signed documents
- Date/Time stamp from trusted third party
- Manual labor savings through automation
- Faster processing of documentation
- Automated error checking and enhanced accuracy
- Rapid on-line retrieval and analysis of data
- Improved access protection
- Clear identification of who signed the document

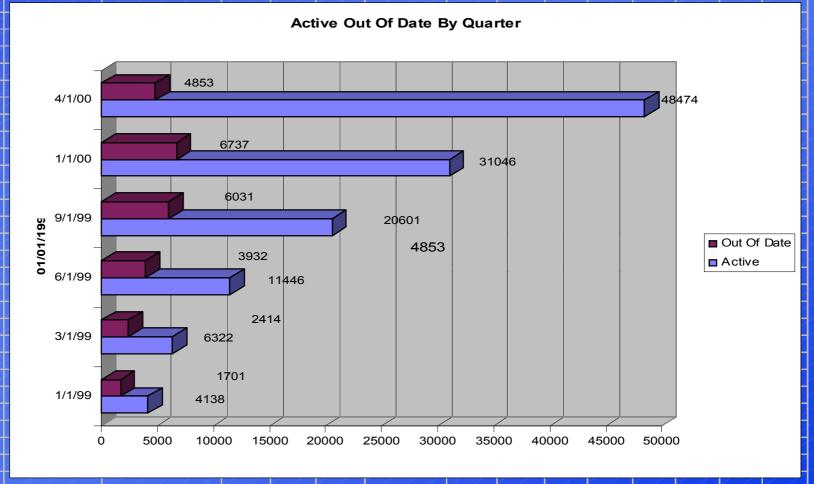
## HOW CAN THE AIRLINE INDUSTRY USE DIGITAL SIGNATURES?

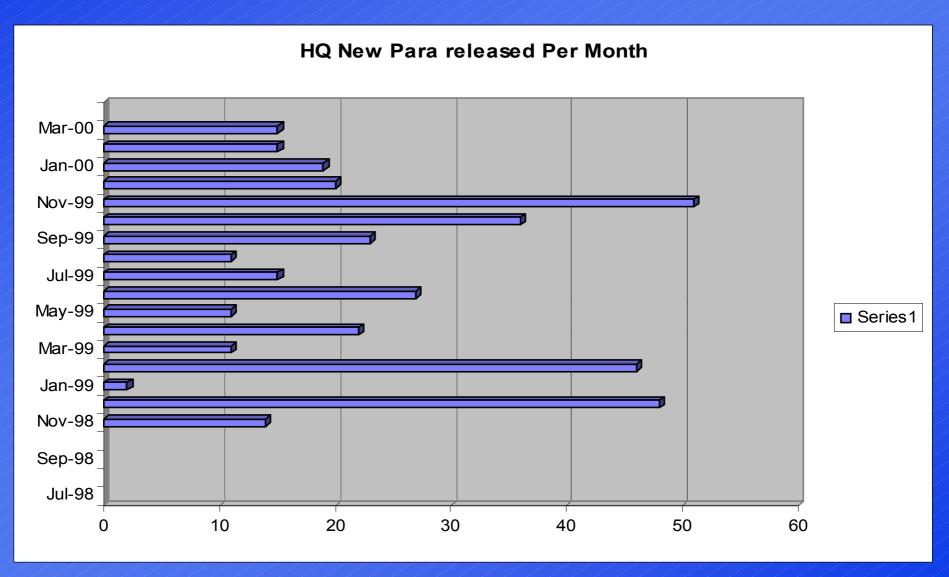
- Electronic Logbooks
- Maintenance Record Keeping
- Life-Limited Parts Tracking
- Pilot Records
- Any Digital Document:
  - Requiring Multiple Levels of Approval
  - Where Authenticity of Originator / Recipient Must Be Known
  - Where Date-Time Document Signed Must Be Known
  - Where Contents Must Not Be Changed After Document Was Signed
- ☐ Digital Document = OpSpecs = A Good Start

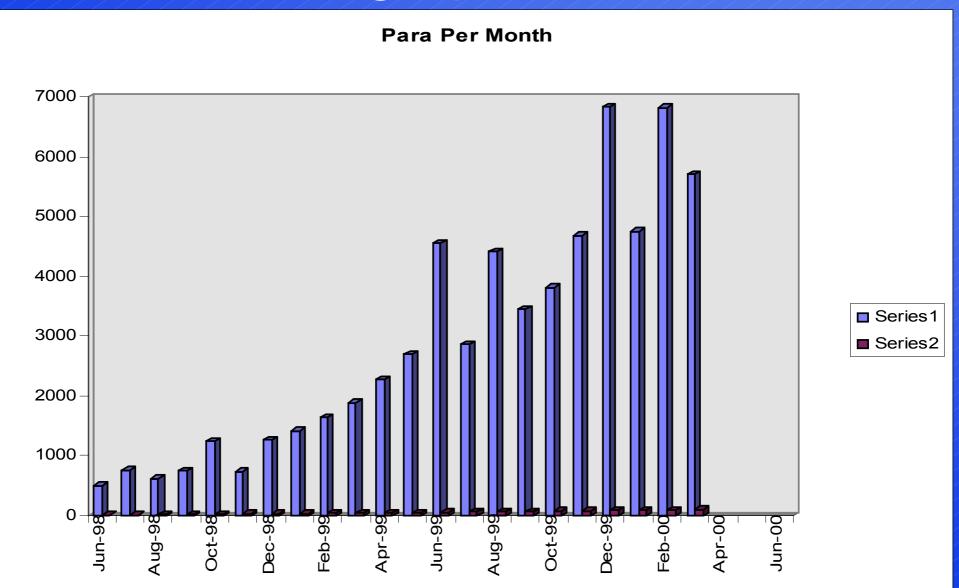
### Paragraph Development

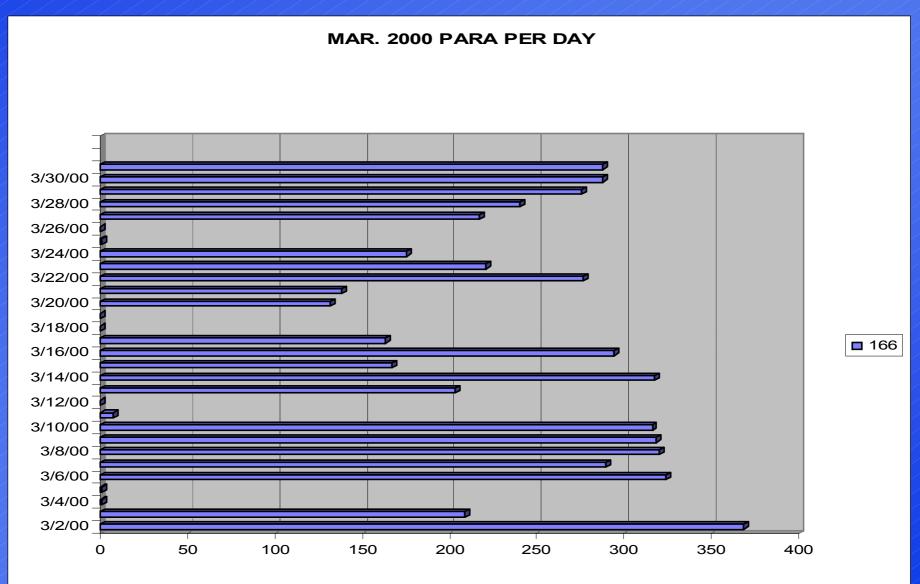
1/1/98     1/1/99     4138     1701     41%     312     3152     153     1     1     71     0     0     68     377       1/1/98     3/1/99     6322     2414     38%     446     4722     189     38     19     85     0     0     101     717       1/1/98     6/1/99     11446     3932     34%     981     8007     240     125     23     107     0     0     184     1759       1/1/98     9/1/99     20601     6031     29%     1661     13299     476     300     417     148     0     0     293     4007	Date		Active	Out Of Date		121	135	121/135	125	129	133	137	141	142	145	147
1/1/98     6/1/99     11446     3932     34%     981     8007     240     125     23     107     0     0     184     1759       1/1/98     9/1/99     20601     6031     29%     1661     13299     476     300     417     148     0     0     293     4007	1/1/98	1/1/99	1/1/99 4138	1701	41%	312	3152	153	1	1	71	0	0	68	377	0
1/1/98     9/1/99     20601     6031     29%     1661     13299     476     300     417     148     0     0     293     4007	1/1/98	3/1/99	3/1/99 6322	2414	38%	446	4722	189	38	19	85	0	0	101	717	0
	1/1/98	6/1/99	6/1/99 11446	3932	34%	981	8007	240	125	23	107	0	0	184	1759	0
AMON AMON	1/1/98	9/1/99	9/1/99 20601	6031	29%	1661	13299	476	300	417	148	/0/	0	293	4007	0
171/98   171/00   31046   6737   22%   2852   19538   761   376   628   176   0   0   412   6303	1/1/98	1/1/00	1/1/00 31046	6737	22%	2852	19538	761	376	628	176	/0/	0	412	6303	0
1/1/98       4/1/00       48474       4853       10%       4611       29566       933       521       1107       267       0       0       600       7492	1/1/98	4/1/00	4/1/00 48474	4853	10%	4611	29566	933	521	1107	267	0	0	600	7492	0

Over time it is important to note the change in parpargraph templates and the currency of those paragraphs. This slides illustrates, in 3 month cycle, the increase in issued paragraphs with out dated templates

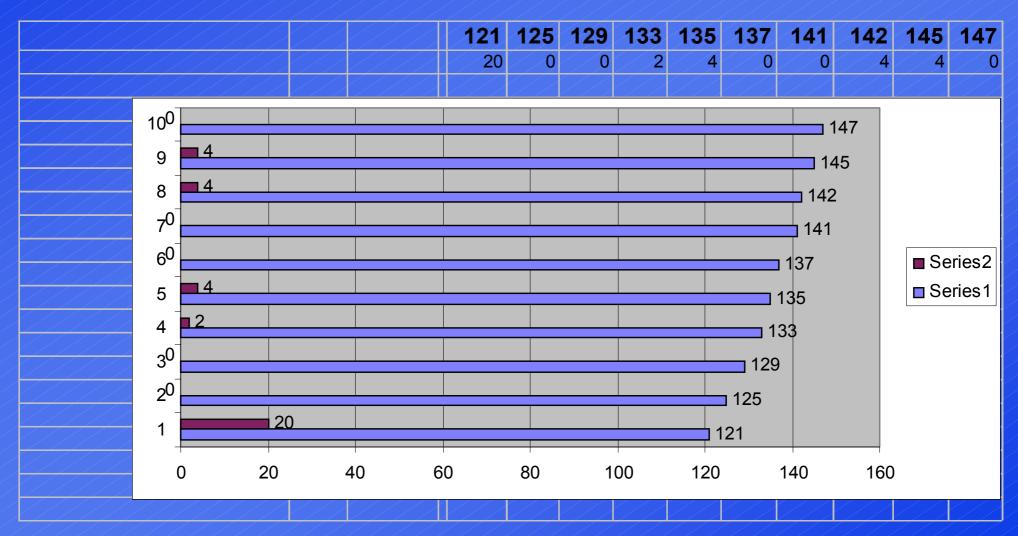






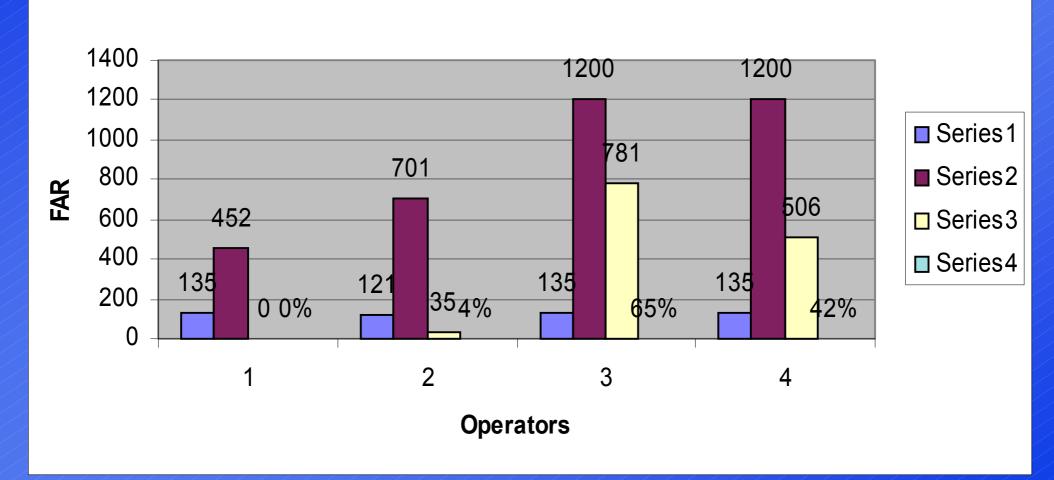


## Paragraph Status IOPSS

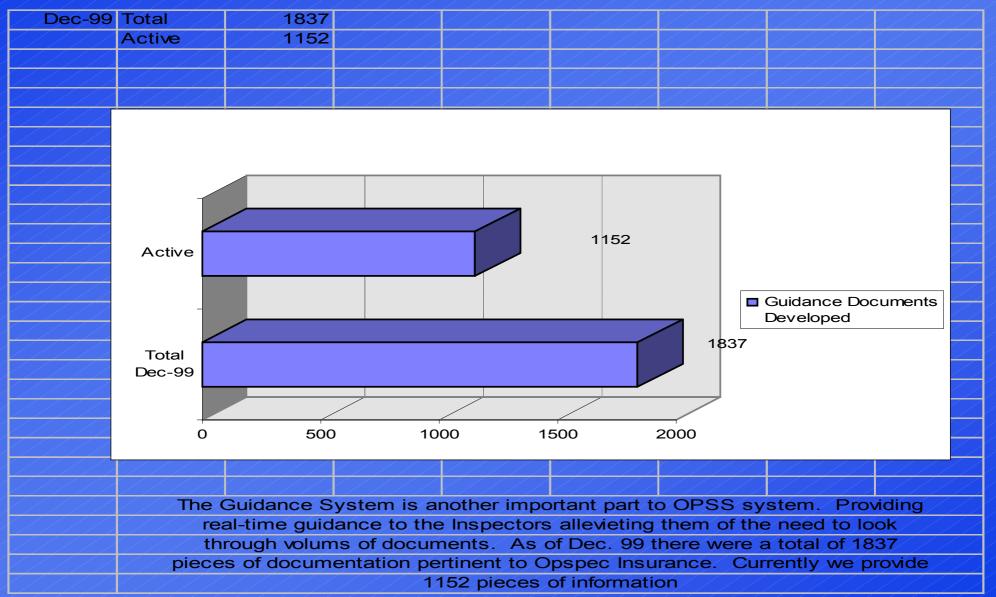


#### Insurance

#### **Operators Insurance Documents Entered**



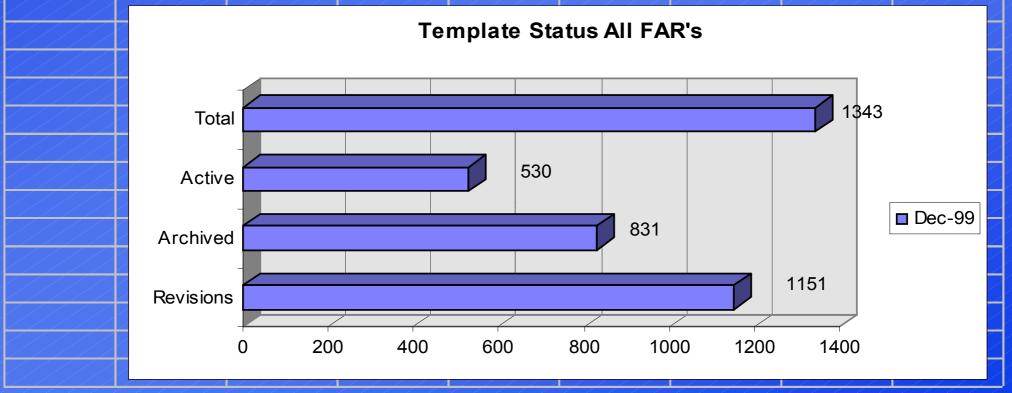
## Paragraph Guidance



Date	Date	Dec-99									
FAR	Dec-99	121	121/135	135	125	129	133	137	141	142	145
Active		98	133	122	62	51	9	0	0	36	8
Archived		319	373	334	130	79	24	0	0	38	29

## Paragraph Templates

Date	Dec-99	Jan-00	Feb-00	Mar-00				
Revisions	1151							
Archived	831							
Active	530							
Total	1343							
			/ / / / /			/ / /	/ / /	









**System Preview**